

## New and little known Palearctic species of the genus *Hydraena* (s.l.) KUGELANN III

(Coleoptera: Hydraenidae)

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### Abstract

A new species, *Hydraena* (*Haenydra*) *magnessa* [from Turkey], and a new subspecies, *Hydraena* (*Haenydra*) *scitula gynaephila* [from Lesbos, Greece], are described. An updated check list of the Turkish species of the genus *Hydraena* KUGELANN is included.

### Introduction

During a short excursion to Lesbos, which is the third largest of the Greek Islands, the author was able to collect 10 species of *Hydraena* KUGELANN. Only 8 species were hitherto recorded from that island (JANSSENS 1965): *H. cata* ORCHYMONT, *H. filum* SAHLBERG, *H. grandis* REITTER, *H. gregalis* ORCHYMONT, *H. helena* ORCHYMONT, *H. levantina* SAHLBERG, *H. smyrnensis* SAHLBERG and *H. speciosa* ORCHYMONT. In addition to these 8 species, the author found *H. grata* ORCHYMONT (known from western Turkey and Samos) and a new subspecies of *H. scitula* ORCHYMONT (known so far only from Turkey).

While revising the Turkish material of *H. scitula* deposited in the Naturhistorisches Museum, Wien (NMW) a number of specimens collected in 1991 in the Turkish Province of Izmir and labelled as *H. cf. scitula* were found to represent in fact a new species.

### *Hydraena* (*Haenydra*) *magnessa* sp.n.

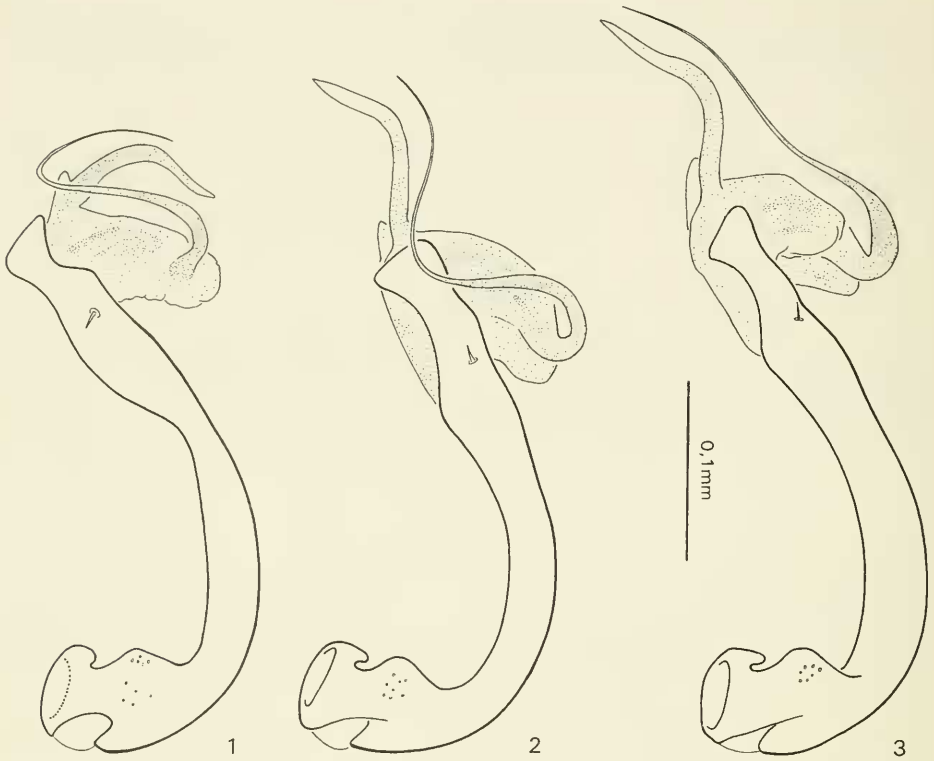
Type locality: Small stream on Yamanlar Mountain (north of Izmir, southwest of Manisa), volcanic rock, ca. 700 m a.s.l., Izmir Province, western Turkey.

**Holotype** ♂ (NMW): "TR-IZMIR 18.V.1991 Yamanlar Dağ 700m nr. Izmir leg. Jäch (5)". **Paratypes** (NMW): 1♂, 4♀, same label data as holotype.

Diagnosis: 1.6-1.75 mm long. This species is closely related to *Hydraena scitula*. Both species are easily distinguished from other *Haenydra* spp. by the characteristic, convex, humeral elytral interval which provides the elytra with a somewhat irregular appearance. Secondary sexual characters as in *H. scitula*. Width of explanate elytral margin more or less as (or very slightly wider than) in *H. s. scitula*, but distinctly narrower than in *H. s. gynaephila*.

The aedeagus of the new species (Fig. 1) agrees with the aedeagus of *Hydraena scitula* in the general appearance of the distal lobe and the setation of the main piece (1 short subapical seta on the right side and 3 longer subapical setae on the left side) which prompts a close phylogenetical relationship. It differs from that of *H. scitula* in the following diagnostic features: 1) proportions and curvature of main piece, 2) shape of dorsal subapical margin of main piece, which is strongly emarginate, and 3) in the slightly smaller distal lobe.

Distribution: So far known only from the type locality.



Figs. 1-3. Aedeagus, lateral view. 1. *Hydraena magnaesa*. 2. *H. scitula scitula*. 3. *H. s. gynaephila*; setae of left side of main piece not depicted.

Etymology: *Magnaesa*, f. (Latin: inhabitant of Magnesia); noun in apposition; Magnesia is the ancient name for Manisa City (see type locality).

*Hydraena (Haenydra) scitula gynaephila* ssp.n.

Type locality: Small stream, ca. 1 m wide, with cascades, partly shaded by bushes and pine trees; geology: slate; ca. 200 m a.s.l.; near Pigi Tsingou; crossing Mytilini - Polychnitos road, ca. 2.7 km W of junction to Agiassos, southern Lesbos, Greece.

**Holotype** ♂ (NMW): "GR - Lesbos 1996 Pigi Tsingou (14) Leg. Jäch 10.VI."; **Paratypes** (NMW; coll. Audisio, Roma): 12 exs., same label data as holotype.

Diagnosis: 1.6-1.75 mm long. The new subspecies is rather easily distinguished externally from the nominative subspecies by the more widely explanate elytral margin of both sexes. Other characters, such as body size, width of pronotum, length of legs, shape of elytral apices and secondary sexual characters are somewhat variable in both subspecies and not significantly different.

The aedeagus of the new subspecies (Fig. 3) differs significantly from that of *H. scitula scitula* (Fig. 2) in the slightly larger size and especially in the apex of the main piece which is 1) more slender, 2) more obliquely truncate and thus 3) more acute. Distal lobe more or less as in the nominative subspecies.

Distribution: The new subspecies is so far known only from the type locality. The nominative subspecies is known only from Istanbul Province in northwestern Turkey (ca. 350 km bee line NE of Lesbos).

Etymology: Gynae (Greek: woman) and -phila (Greek: friend); The Island of Lesbos (type locality) is a traditional meeting point for female homosexuals.

### Check list of the Turkish species of the genus *Hydraena*

Since the publication of the check list of Turkish *Hydraena* by JÄCH (1992) a number of corrections and additions were made.

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|---|---|
| 1 <i>H. (Haenydra) akbesiana</i> AUDISIO, DE BIA-<br>SE & JÄCH            | 36 <i>H. (s.str.) dentipalpis</i> REITTER<br>(= <i>trapezuntina</i> JANSSENS) |
| 2 <i>H. (Haenydra) anatolica</i> JANSSENS                                 | 37 <i>H. (s.str.) ebrimadli</i> JÄCH  |
| 3 <i>H. (Haenydra) cata</i> ORCHYMONT                                     | 38 <i>H. (s.str.) eichleri</i> ORCHYMONT                                      |
| 4 <i>H. (Haenydra) caucasica</i> KUWERT<br>(= <i>amarantina</i> JANSSENS) | 39 <i>H. (s.str.) eucnemis</i> JANSSENS                                       |
| 5 <i>H. (Haenydra) crepidoptera</i> JÄCH                                  | 40 <i>H. (s.str.) falcata</i> JÄCH  |
| 6 <i>H. (Haenydra) fontiscarsavii</i> JÄCH                                | 41 <i>H. (s.str.) finita</i> ORCHYMONT  |
| 7 <i>H. (Haenydra) gracilis</i> GERMAR                                    | 42 <i>H. (s.str.) fritzi</i> JÄCH   |
| 8 <i>H. (Haenydra) graciloides</i> JÄCH                                   | 43 <i>H. (s.str.) galatica</i> JANSSENS                                       |
| 9 <i>H. (Haenydra) integra</i> PRETNER<br>(= <i>ponticola</i> JANSSENS)   | 44 <i>H. (s.str.) gnatella</i> ORCHYMONT                                      |
| 10 <i>H. (Haenydra) magnessa</i> JÄCH                                     | 45 <i>H. (s.str.) gnatelloides</i> ORCHYMONT                                  |
| 11 <i>H. (Haenydra) nike</i> JÄCH   | 46 <i>H. (s.str.) grandis</i> REITTER   |
| 12 <i>H. (Haenydra) nilguenae</i> JÄCH                                    | 47 <i>H. (s.str.) grata</i> ORCHYMONT   |
| 13 <i>H. (Haenydra) lazica</i> JANSSENS                                   | 48 <i>H. (s.str.) gressa</i> ORCHYMONT<br>(= <i>carducha</i> JANSSENS)        |
| 14 <i>H. (Haenydra) plastica</i> ORCHYMONT                                | 49 <i>H. (s.str.) griplius</i> ORCHYMONT                                      |
| <i>H. (Haenydra) p. terraevastatae</i> JÄCH                               | 50 <i>H. (s.str.) guentheri</i> JÄCH  |
| 15 <i>H. (Haenydra) scitula</i> ORCHYMONT                                 | 51 <i>H. (s.str.) hainzi</i> JÄCH   |
| 16 <i>H. (Haenydra) septemlacuum</i> JÄCH                                 | 52 <i>H. (s.str.) helena</i> ORCHYMONT<br>(= <i>bithynica</i> JANSSENS)       |
| <i>H. (Haenydra) s. sinope</i> JÄCH                                       | 53 <i>H. (s.str.) holdhausi</i> PRETNER                                       |
| 17 <i>H. (Phothydraena) paganetii</i> GANGLBAUER                          | 54 <i>H. (s.str.) ilica</i> JÄCH  |
| 18 <i>H. (s.str.) abbasigili</i> JÄCH                                     | 55 <i>H. (s.str.) janczyki</i> JÄCH   |
| 19 <i>H. (s.str.) amidensis</i> JÄCH                                      | 56 <i>H. (s.str.) kasyi</i> JÄCH  |
| 20 <i>H. (s.str.) ancyrae</i> JÄCH  | 57 <i>H. (s.str.) kurdistanica</i> JÄCH                                       |
| 21 <i>H. (s.str.) antiochena</i> JÄCH                                     | 58 <i>H. (s.str.) lapsissectilis</i> JÄCH                                     |
| 22 <i>H. (s.str.) cf. armeniaca</i> JANSSENS                              | 59 <i>H. (s.str.) levantina</i> SAHLBERG                                      |
| 23 <i>H. (s.str.) attaleiae</i> FERRO                                     | 60 <i>H. (s.str.) ligulipes</i> JÄCH  |
| 24 <i>H. (s.str.) aurita</i> JÄCH   | 61 <i>H. (s.str.) liriopae</i> ORCHYMONT                                      |
| 25 <i>H. (s.str.) avunculata</i> JÄCH                                     | 62 <i>H. (s.str.) lycia</i> JÄCH  |
| 26 <i>H. (s.str.) beyarslani</i> JÄCH                                     | 63 <i>H. (s.str.) macedonica</i> ORCHYMONT                                    |
| 27 <i>H. (s.str.) bicolorata</i> JÄCH                                     | 64 <i>H. (s.str.) mariannae</i> JÄCH  |
| 28 <i>H. (s.str.) bulgarica</i> BREIT                                     | 65 <i>H. (s.str.) modili</i> JÄCH   |
| 29 <i>H. (s.str.) canakcioglu</i> JANSSENS<br>(= <i>aydini</i> JANSSENS)  | 66 <i>H. (s.str.) monscassius</i> JÄCH  |
| 30 <i>H. (s.str.) cappadocica</i> JÄCH                                    | 67 <i>H. (s.str.) morio</i> KIESENWETTER                                      |
| 31 <i>H. (s.str.) carica</i> JÄCH   | 68 <i>H. (s.str.) muezziginea</i> JÄCH  |
| 32 <i>H. (s.str.) cervisiphila</i> JÄCH                                   | 69 <i>H. (s.str.) mylasae</i> JÄCH  |
| 33 <i>H. (s.str.) ciliciensis</i> JÄCH                                    | 70 <i>H. (s.str.) nivalis</i> JÄCH  |
| 34 <i>H. (s.str.) colchica</i> JANSSENS                                   | 71 <i>H. (s.str.) olidipastoris</i> JÄCH                                      |
| 35 <i>H. (s.str.) coryleti</i> JÄCH                                       | 72 <i>H. (s.str.) phallerata</i> ORCHYMONT<br>(= <i>byzantina</i> JANSSENS)   |

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|---|---|
| 73 <i>H. (s.str.) philyra</i> ORCHYMONT       | 86 <i>H. (s.str.) schoenmanni</i> JÄCH    |
| 74 <i>H. (s.str.) platycnemis</i> JÄCH        | 87 <i>H. (s.str.) serpentina</i> JÄCH     |
| 75 <i>H. (s.str.) platynaspis</i> JÄCH        | 88 <i>H. (s.str.) smyrnensis</i> SAHLBERG |
| 76 <i>H. (s.str.) platysoma</i> JANSSENS      | 89 <i>H. (s.str.) speciosa</i> ORCHYMONT  |
| 77 <i>H. (s.str.) prusensis</i> JÄCH          | 90 <i>H. (s.str.) subgrandis</i> JÄCH     |
| 78 <i>H. (s.str.) pygmaea</i> WATERHOUSE      | 91 <i>H. (s.str.) sublamina</i> ORCHYMONT |
| 79 <i>H. (s.str.) pontica</i> JANSSENS        | 92 <i>H. (s.str.) sublapsa</i> ORCHYMONT  |
| 80 <i>H. (s.str.) pseudoriparia</i> ORCHYMONT | 93 <i>H. (s.str.) tauricola</i> JÄCH      |
| 81 <i>H. (s.str.) richardimbi</i> JÄCH        | 94 <i>H. (s.str.) terebrans</i> JÄCH      |
| 82 <i>H. (s.str.) riparia</i> KUGELANN        | 95 <i>H. (s.str.) turcica</i> JANSSENS    |
| 83 <i>H. (s.str.) schilfii</i> JÄCH           | 96 <i>H. (s.str.) virginalis</i> JANSSENS |
| 84 <i>H. (s.str.) schillhammeri</i> JÄCH      | 97 <i>H. (s.str.) weiwalkai</i> JÄCH      |
| 85 <i>H. (s.str.) schoedli</i> JÄCH           |   |

### References

- JANSSENS, E. 1965: Les *Hydraena* de l'Égée. – Mem. Acad. r. Belg. Cl. Sc. 2ème Sér. 16 (4), 1-126.  
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## *Reicheiodes jaegeri* sp. n., a new Scaritinae from the Himalayas

(Coleoptera, Carabidae, Scaritinae)

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### Abstract

*Reicheiodes jaegeri* sp. n. from Nepal is described and compared to the next related species known from the Himalayas.

### Introduction

Some progress has been made recently in the knowledge of *Reicheiodes* species from the Himalayas with the description of four new species and a key to the species from East Asia (DOSTAL 1993, BALKENOHL 1994, 1995). However, with respect to the Scaritinae the Himalayas are still very poorly explored.

As a result of several expeditions carried out in central Nepal by the second author between 1991 and 1996 it was possible to collect 15 specimens of a new *Reicheiodes* species described here.